GOVERNMENT OF INDIA
POWER
LOK SABHA

STARRED QUESTION NO:179
ANSWERED ON:05.05.2016
Hydro Power Generation
Mahadik Shri Dhananjay Bhimrao;Nishank Dr. Ramesh Pokhriyal

Will the Minister of POWER be pleased to state:

(a) whether any survey has been conducted by the Union Government to assess the hydro-electric potential in the country and if so, the details thereof and the current hydro-electric generation capacity realised against the potential in the country;

(b) the quantum of hydro electricity produced in the country during the last three years and the current year; and

(c) whether a number of hydro-electric projects remain incomplete due to various reasons, if so, the details of the expenditure incurred and the loss occurred due to delay in completion of the projects, State-wise and project-wise?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL AND NEW & RENEWABLE ENERGY

(SHRI PIYUSH GOYAL)

(a) to (c) : A Statement is laid on the Table of the House.

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STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (c) OF STARRED QUESTION NO.179 TO BE ANSWERED IN THE LOK SABHA ON 05.05.2016 REGARDING HYDRO POWER GENERATION.
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(a) : Central Electricity Authority has conducted studies from 1978 to 1987 for re-assessment of hydro-electric projects in the country. Based on the above studies, the total identified hydropower potential in the country has been assessed as 1,48,701 MW comprising a capacity of 1,45,320 MW from Hydro Electric (HE) schemes above 25 MW capacity against which about 37,998 MW (26.15%) has been exploited so far. In addition, 9 Pumped Storage Schemes of 4785 MW have also been developed.

(b) : The quantum of hydro electricity produced in the country during the last three years and the current year is as under:

Year Annual Energy (BU)
2013-14 134.85
2014-15 129.24
2015-16 121.34
2016-17
(Upto 24.04.2016) 6.11

(c) : Presently, 45 HE schemes with an aggregate capacity of 13,502 MW including 2 Pumped Storage Schemes with an aggregate capacity of 1080 MW are under construction in the country. Out of the above, works on 15 Hydro Electric Projects (HEPs) totaling 5992 MW is affected due to various reasons like financial constraints, inter-State disputes, Court Case, Environmental issues, Commercial issues etc., as a result of which there has been a potential loss of generation of power to the extent of 19217.4 MUs, general price escalation and interest during construction. A statement indicating State-wise/Project-wise loss of generation of power is given in Annex.

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